### (19) World Intellectual Property Organization

International Bureau



# 

(43) International Publication Date 26 May 2005 (26.05.2005)

### (10) International Publication Number WO 2005/048261 A1

(51) International Patent Classification7: 27/34

G11B 27/30,

(21) International Application Number:

PCT/JP2004/017215

(22) International Filing Date:

12 November 2004 (12.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/519,317

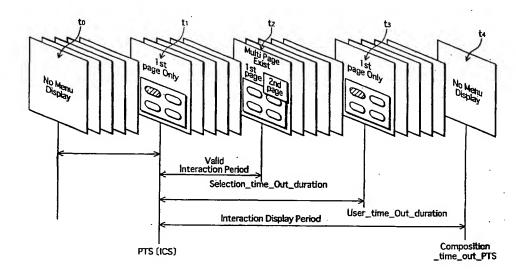
12 November 2003 (12.11.2003)

- (71) Applicant (for all designated States except US): MAT-
- SUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 5718501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): McCROSSAN, Joseph. OKADA, Tomoyuki. KOZUKA, Masayuki.

- (74) Agents: NAKAJIMA, Shiro et al.; 6F, Yodogawa 5-Bankan 2-1, Toyosaki 3-chome, Kita-kn, Osaka-shi, Osaka 5310072 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: RECORDING MEDIUM, PLAYBACK APPARATUS AND METHOD, RECORDING METHOD, AND COMPUTER-READABLE PROGRAM



(57) Abstract: A BD-ROM stores a video stream and a graphics stream. The video stream represents a moving picture. The graphics stream is used for overlaying a multi-page menu on the moving picture, and includes interactive control information (ICS) and graphics data (ODS) used for generating the multi page menu. A PTS attached to a PES packet containing the interactive control information shows timing for the first presentation of a main page the multi-page menu in accordance with the proceeding of the video stream playback. In addition, the interactive control information includes information (selection\_time\_out\_pts) showing a timeout upon which a button on a page of the multi-page menu is automatically activated, and information (user\_time\_out\_duration) showing a timeout upon which a sub-page of the multi-page menu is automatically removed.

## WO 2005/048261 A1



#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.